

WHAT IS CLAIMED IS:

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1. A display characteristics recognition apparatus comprising:
  - 5 signal output means connected to a display unit for displaying an image according to a signal entered, said display unit displaying the image with a color according to both the signal and display characteristics of said display unit, said signal output means outputting a color chart
  - 10 signal representative of a monochrome figure to said display unit;
  - 15 color name input means for entering a name of a color displayed on said display unit in accordance with the color chart signal outputted from said signal output means; and
  - 20 display characteristics identification means for determining display characteristics of said display unit in accordance with the color chart signal outputted from said signal output means and the name of the color entered through said color name input means.
2. A display characteristics recognition apparatus according to claim 1, wherein said display characteristics identification means determines, as the display characteristics, a relationship between a signal representative of a white image and a color of an image displayed on said display unit in accordance with the

signal.

3. A display characteristics recognition apparatus according to claim 2, wherein said display unit 5 is selectively set up to anyone of a plurality of display characteristics, and

    said display characteristics identification means determines display characteristics to which said display unit is now set up.

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4. A display characteristics recognition apparatus according to claim 1, wherein said display unit is a display in which an image is displayed through emission of light, and

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    said display characteristics identification means determines, as the display characteristics, luminance of said display.

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5. A display characteristics recognition apparatus according to claim 1, wherein said signal output means outputs such a color chart signal that a color of an adjacent area as to colors adjacent to one another on a chromaticity diagram of a plurality of colors perceived as mutually different colors in name is displayed in 25 chromaticity according to display characteristics.

6. A display characteristics recognition

apparatus according to claim 1, wherein said color name input means enters a name of a color selected from among a plurality of colors perceived as mutually different colors in name.

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7. A display characteristics recognition apparatus according to claim 1, wherein said signal output means outputs a plurality of color chart signals each representative of a monochrome figure to said display unit;

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said color name input means enters a name of a color of each of a plurality of monochrome figures; and

said display characteristics identification means determines display characteristics of said display unit in accordance with the plurality of color chart signals

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outputted from said signal output means and the plurality of names of the color entered through said color name input means.

8. A display characteristics recognition

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apparatus according to claim 7, wherein said signal output means outputs one of the plurality of color chart signals, and thereafter outputs, of the plurality of color chart signals, a color chart signal according to the name entered through said color name input means to said display unit.

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9. A display characteristics recognition apparatus according to claim 1, wherein said signal output

means outputs the color chart signal to said display unit,  
and in addition outputs to said display unit a signal  
causing black to be displayed around the monochrome figure  
displayed on said display unit according to the color chart  
5 signal.

10. A display characteristics recognition  
apparatus according to claim 1, wherein said signal output  
means outputs the color chart signal to said display unit,  
10 and in addition outputs to said display unit a signal  
causing gray to be displayed around the monochrome figure  
displayed on said display unit according to the color chart  
signal and further causing black to be displayed around the  
gray.

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11. A display characteristics recognition  
apparatus according to claim 1, wherein said signal output  
means outputs a series of color chart signals such that a  
series of colors in adjacent areas for two sorts of colors  
20 adjacent to one another on a chromaticity diagram are  
displayed, and

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said color name input means selects a color  
corresponding to a boundary of the two sorts of colors from  
among the displayed series of colors.

12. A display characteristics recognition  
apparatus according to claim 1, wherein said display

characteristics recognition apparatus further comprises profile producing means for generating data representative of display characteristics determined by said display characteristics identification means in a predetermined format to produce a profile representative of characteristics as to display of an image by said display unit including the data.

13. A display characteristics recognition apparatus according to claim 1, wherein said display characteristics recognition apparatus further comprises:

profile storage means for storing various sorts of profiles each representative of characteristics as to display of an image by a display unit including data indicative of various display characteristics in a common format; and

profile selection means for selecting one profile from among the various sorts of profiles stored in said profile storage means in accordance with the display characteristics determined by said display characteristics identification means.

14. A display characteristics recognition program storage medium storing a display characteristics recognition program comprising:

signal output means connected to a display unit for displaying an image according to a signal entered, said

display unit displaying the image with a color according to both the signal and display characteristics of said display unit, said signal output means outputting a color chart signal representative of a monochrome figure to said display unit;

5 color name input means for entering a name of a color displayed on said display unit in accordance with the color chart signal outputted from said signal output means; and

10 display characteristics identification means for determining display characteristics of said display unit in accordance with the color chart signal outputted from said signal output means and the name of the color entered through said color name input means.

15 15. A computer system comprising:  
a display unit for displaying an image according to a signal entered, said display unit displaying the image with a color according to both the signal and display characteristics of said display unit;

20 a main frame unit for outputting to said display unit a color chart signal representative of a monochrome figure and color name signals, which are representative of a plurality of color names, respectively; and

25 input unit for entering a color name selected from among said plurality of color names to said main frame unit in accordance with an operation;

wherein said main frame unit determines display characteristics of said display unit in accordance with the color chart signal outputted toward said display unit and the color name entered through said input unit.

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16. A computer system comprising:

a display unit for displaying an image according to a signal entered, said display unit displaying the image with a color according to both the signal and display characteristics of said display unit;

a main frame unit for outputting to said display unit a series of color chart signals such that a series of colors in adjacent areas for two sorts of colors adjacent to one another on a chromaticity diagram are displayed; and

15 input unit for entering a color corresponding to a boundary of the two sorts of colors, which is selected from among the series of colors displayed on said display unit, to said main frame unit in accordance with an operation,

wherein said main frame unit determines display characteristics of said display unit in accordance with the color chart signal outputted toward said display unit and the color entered through said input unit.

17. A computer system according to claim 16 wherein said main frame unit outputs to said display unit the series of color chart signals, and in addition a message signal representative of a message inquiring as to

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from which color of the series of colors displayed on said display unit an operator visually identifies it as a color of a specified color name.

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18. A computer system comprising:  
a display unit for displaying an image according to a signal entered, said display unit displaying on a luminous display basis the image with a color according to both the signal and display characteristics of said display unit;

10 a main frame unit for outputting to said display unit color chart signals representative of a plurality of monochrome figures associated with mutually different luminance of said display unit, each of the plurality of monochrome figures being displayed with a color of a specified color name under an associated luminance; and  
15 an input unit for selectively entering a monochrome figure displayed with a color of the specified color name of the plurality of monochrome figures displayed on said display unit, to said main frame unit in accordance with an operation,  
20 wherein said main frame unit determines luminance of said display unit in accordance with the color chart signal outputted toward said display unit and the monochrome figure entered through said input unit.  
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19. A computer system according to claim 18,

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wherein said main frame unit outputs color chart signals representative of a plurality of monochrome figures associated with mutually different luminance of said display unit, each of the plurality of monochrome figures being displayed with such a color that persons of a predetermined ratio and up recognize it as the color of the specified color name under an associated luminance.

10 *5/28* 20. A display characteristics adjusting apparatus for adjusting display characteristics of a display unit for displaying an image according to a signal entered, said display unit displaying the image with a color according to both the signal and display characteristics of said display unit, said display characteristics adjusting apparatus comprising:

15 signal output means for outputting to said display unit such a color chart signal that a color belonging to an adjacent area as to colors adjacent to one another on a chromaticity diagram of a plurality of colors perceived as 20 mutually different colors in name is displayed on said display unit in accordance with display characteristics of said display unit.

25 21. A display characteristics adjusting program storage medium storing a display characteristics adjusting program incorporated into a computer system, said display characteristics adjusting program causing said computer

system to operate a display characteristics adjusting apparatus for adjusting display characteristics of a display unit for displaying an image according to a signal entered, said display unit displaying the image with a color according to both the signal and display characteristics of said display unit, said display characteristics adjusting program comprising:

signal output means for outputting to said display unit such a color chart signal that a color belonging to an adjacent area as to colors adjacent to one another on a chromaticity diagram of a plurality of colors perceived as mutually different colors in name is displayed on said display unit in accordance with display characteristics of said display unit.

15 22. A computer system comprising:

a display unit for displaying an image according to a signal entered, said display unit displaying the image with a color according to both the signal and display characteristics of said display unit;

adjusting means for adjusting display characteristics of said display unit in accordance with an operation; and

25 a main frame unit for outputting to said display unit such a color chart signal that a color belonging to an adjacent area as to colors adjacent to one another on a chromaticity diagram of a plurality of colors perceived as

mutually different colors in name is displayed on said display unit in accordance with display characteristics of said display unit.

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